

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete If Known	
		Application Number	Not Assigned Yet
		Filing Date	On even date herewith
		First Named Inventor	AOTA, KINYA
		Art Unit	3635
Sheet 1 of 2	Examiner Name	R. Canfield	
	Attorney Docket Number	503.35255VX5	

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
[Signature]		US-5,388,529	1995		Tieberghien et al.	
		US-5,979,742	1999		Enomoto et al.	
		US-3,849,871	1974		Kaunitz	
		US-5,794,835	1998		Colligan, et al.	
		US-5,460,317	1995		Thomas, et al.	
		US-5,140,913	1992		Takelchi, et al.	
		US-5,098,007	1992		Tsuruda, et al.	
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
[Signature]		JP 54-11250	1979				
		JP 54-11250	1979				
		JP 7-268068	1995				
		JP 10-216964	1998				
		JP 60-166177	1985				
		JP 61-111000	1979				
		JP 6-156272	1994				
		JP 7-33016	1995 1995				
		JP 6-379-500 AT	1994				
		WO 93/10935	1993				
	JP 7-505090	1995					
	JP 6-106661	1994					

Examiner Signature	[Signature]	Date Considered	4/23/95
--------------------	-------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard SL3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete If Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Not Assigned Yet		
		Filing Date	On even date herewith		
		First Named Inventor	AOTA, KINYA		
		Group Art Unit	3635		
		Examiner Name	R. Canfield		
Sheet	2	of	2	Attorney Docket Number	503.35255VX5

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1	Friction Stir Process Welds Aluminum Alloys, Welding Journal, American Welding Society, Vo. 75, No. 3 (1996)	
	2	Light Metal Welding Vol. 33, No. 7, pp. 19-26 (1995)	
	3	Two Prints dated June 23, 1993 showing details from a video from the Welding Institute	
	4	Verksstaderna Nr 2, pp. 32 and 34 (1996)	
	5	Advanced Materials & Processes, pp. 22-23, (1993)	
	6	Metalworking Technology Europe, Sterline Publication, pp. 143-145, (1994)	
	7	An Introduction to Friction Stir Welding and its Development, by CJ Dawes, Welding & Metal Fabrication, pp. 13-16, (1995)	
(P2)	8	Welding and Material Fabrication, January 1995, Vol. 63, No. 1 (front page, page 1 (contents), pages 13-16)	✓
	9	Verk Standerna (front page, page 3 (table for contents), page 5, pages 32-34)	
(PC)	10	Svenstaren, Vol. No. 3, 1995 (front page, contents, pages 5-6)	✓
	11	Light Metal Vehicle Committee Report, 1978-83, 7-15-1984 (front page, pp. 194-5, colophon page, back pages)	
(PC)	12	27 th ISATA (1994), pages 422-31	✓
	13	Welding Operation Management Safety Sanitation, 5-10-1978 (front page, content page, pp. 26-7, colophon page)	

Examiner Signature		Date Considered	4/23/05
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.